

# INDEX TO VOLUME LXVI

## SUBJECTS

	PAGE
Abstracts, Preparation of . . . . .	223
Aquilae No. 3, Nova, Nebulous Envelope Around. <i>Edwin Hubble</i> and <i>John Charles Duncan</i> . . . . .	59
Binary 95 o Leonis, Orbit of Spectroscopic. <i>O. Struve</i> and <i>W. W. Morgan</i>	135
Binary 6 $\pi$ Scorpii, Orbit of Spectroscopic. <i>O. Struve</i> and <i>C. T. Elvey</i> .	217
27 Canis Majoris, Period of. <i>Otto Struve</i> . . . . .	113
Carbon, in Extreme Ultra-Violet with Concave Grating at Grazing Incidence, Wave-Lengths of. <i>J. Barton Hodg</i> . . . . .	225
Cepheids, On the Relations between Period, Luminosity, and Spectrum among. <i>Henry Norris Russell</i> . . . . .	122
Cepheid Variable T Monocerotis, Radial Velocity and Spectrum of. <i>Roscoe F. Sanford</i> . . . . .	170
Comet, Halley's, Spectrum of. <i>N. T. Bobrovnikoff</i> . . . . .	145
Comets, Spectra of. <i>N. T. Bobrovnikoff</i> . . . . .	439
Corona at Sumatra Eclipse of January 14, 1925. <i>H. T. Stetson</i> , <i>W. W.</i> <i>Coblentz</i> , <i>Weld Arnold</i> , and <i>W. A. Spurr</i> . . . . .	65
Eclipse of January 14, 1926, Sumatra, Corona at. <i>H. T. Stetson</i> , <i>W. W.</i> <i>Coblentz</i> , <i>Weld Arnold</i> , and <i>W. A. Spurr</i> . . . . .	65
Eclipse of January 24, 1925, Chromospheric Spectrum as Observed with Objective Prism at. <i>G. F. Paddock</i> . . . . .	1
Errata . . . . .	64
Filters, Transmission Properties of Some. <i>Edison Pettit</i> . . . . .	43
Ionization Potentials and Series of Elements of Iron Group. <i>Henry</i> <i>Norris Russell</i> . . . . .	233
Iron Lines, Interferometer Measurements of; Secondary Standards of Wave-Length. <i>Harold D. Babcock</i> . . . . .	256
Iron Group, Related Lines in Spectra of Elements of. <i>Henry Norris</i> <i>Russell</i> . . . . .	184
Iron Group, Series and Ionization Potentials of Elements of. <i>Henry</i> <i>Norris Russell</i> . . . . .	233
95 o Leonis, Orbit of Spectroscopic Binary. <i>O. Struve</i> and <i>W. W. Morgan</i>	135
Luminosity, Period, and Spectrum among Cepheids, Relations between. <i>Henry Norris Russell</i> . . . . .	122
Messier 2, 13, and 56, Proper Motions and Internal Motions of. <i>Adriaan</i> <i>Van Maanen</i> . . . . .	89
Meteor, Photograph of Remarkable. <i>Issei Yamamoto</i> . . . . .	329
T Monocerotis, Radial Velocity and Spectrum of. <i>Roscoe F. Sanford</i> .	170

	PAGE
Neon Lines, Interferometer Measurements of; Secondary Standards of Wave-Length. <i>Harold D. Babcock</i> . . . . .	256
Nitrogen, in Extreme Ultra-Violet with Concave Grating at Grazing Incidence, Wave-Lengths of. <i>J. Barton Hoag</i> . . . . .	225
Nova Aquilae No. 3, Nebulous Envelope Around. <i>Edwin Hubble</i> and <i>John Charles Duncan</i> . . . . .	59
Orbit of Spectroscopic Binary 95 o Leonis. <i>O. Struve</i> and <i>W. W. Morgan</i> . . . . .	135
Orbit of Spectroscopic Binary 6 $\pi$ Scorpii. <i>O. Struve</i> and <i>C. T. Elvey</i> . . . . .	217
Oxygen, in Extreme Ultra-Violet with Concave Grating at Grazing Incidence, Wave-Lengths of. <i>J. Barton Hoag</i> . . . . .	225
Period, Luminosity, and Spectrum among Cepheids, Relations between. <i>Henry Norris Russell</i> . . . . .	122
Platinum, Zeeman Effect and Spectral Terms in Arc Spectrum of. <i>A. C. Haussmann</i> . . . . .	333
Potentials, Series and Ionization, of Elements of Iron Group. <i>Henry Norris Russell</i> . . . . .	233
Preparation of Abstracts . . . . .	223
Proper Motion, Investigations on. Twelfth Paper: Proper Motions and Internal Motions of Messier 2, 13, and 56. <i>Adriaan Van Maanen</i> . . . . .	89
Radial Velocity of Cepheid Variable T Monocerotis. <i>Roscoe F. Sanford</i> . . . . .	170
Reviews:	
Franck, F., and P. Jordan. <i>Anregung von Quantensprüngen durch Stösse</i> . (A. J. Dempster) . . . . .	64
Rodés, Luis. <i>El Firmamento</i> (Alexander Pogo) . . . . .	222
Tolman, Richard C. <i>Statistical Mechanics with Applications to Physics and Chemistry</i> . (Walter Bartky) . . . . .	143
Veronnet, A. <i>Constitution et évolution de l'univers</i> . (W. D. MacMillan) . . . . .	139
6 $\pi$ Scorpii, Orbit of Spectroscopic Binary. <i>O. Struve</i> and <i>C. T. Elvey</i> . . . . .	217
Series and Ionization Potentials of Elements of Iron Group. <i>Henry Norris Russell</i> . . . . .	233
Spectra of Comets, <i>N. T. Bobrovnikoff</i> . . . . .	439
Spectra of Doubly and Trebly Ionized Titanium ( <i>Ti III</i> and <i>Ti IV</i> ). <i>Henry Norris Russell</i> and <i>R. J. Lang</i> . . . . .	13
Spectra of Elements of Iron Group, Related Lines in. <i>Henry Norris Russell</i> . . . . .	184
Spectra of Titanium, Arc and Spark. Part I. Spark Spectrum, <i>Ti II</i> . <i>Henry Norris Russell</i> . . . . .	283
Spectra of Titanium, Arc and Spark. Part II. Arc Spectrum, <i>Ti I</i> . <i>Henry Norris Russell</i> . . . . .	347
Spectroscopic Binary 95 o Leonis, Orbit of. <i>O. Struve</i> and <i>W. W. Morgan</i> . . . . .	135
Spectroscopic Binary 6 $\pi$ Scorpii, Orbit of. <i>O. Struve</i> and <i>C. T. Elvey</i> . . . . .	217
Spectrum of Cepheid Variable T Monocerotis. <i>Roscoe F. Sanford</i> . . . . .	170
Spectrum of Halley's Comet. <i>N. T. Bobrovnikoff</i> . . . . .	145

# INDEX TO SUBJECTS

467

PAGE

Spectrum of Platinum, Zeeman Effect and Spectral Terms in Arc. <i>A. C. Haussmann</i> . . . . .	333
Spectrum, Period and Luminosity among Cepheids, Relations between. <i>Henry Norris Russell</i> . . . . .	122
Spectrum, Chromospheric, as Observed with Objective Prism at Eclipse of January 24, 1925. <i>G. F. Paddock</i> . . . . .	1
Titanium, Arc and Spark Spectra of. Part I. Spark Spectrum, <i>Ti</i> II. <i>Henry Norris Russell</i> . . . . .	283
Titanium, Arc and Spark Spectra of. Part II. Arc Spectrum, <i>Ti</i> I. <i>Henry Norris Russell</i> . . . . .	347
Titanium ( <i>Ti</i> III and <i>Ti</i> IV), On Spectra of Doubly and Trebly Ionized. <i>Henry Norris Russell</i> and <i>R. J. Lang</i> . . . . .	13
Transmission Properties of Some Filters. <i>Edison Pettit</i> . . . . .	43
Variable T Monocerotis, Radial Velocity and Spectrum of. <i>Roscoe F. Sanford</i> . . . . .	170
Wave-Lengths of Carbon, Oxygen, and Nitrogen in Extreme Ultra-Violet with Concave Grating at Grazing Incidence. <i>J. Barton Hoag</i> . . . . .	225
Wave-Length, Secondary Standards of; Interferometer Measurements of Iron and Neon Lines. <i>Harold D. Babcock</i> . . . . .	256
Zeeman Effect and Spectral Terms in Arc Spectrum of Platinum. <i>A. C. Haussmann</i> . . . . .	333

# INDEX TO VOLUME LXVI

## AUTHORS

ARNOLD, WELD, H. T. STETSON, W. W. COBLENTZ, and W. A. SPURR. Investigations of the Corona at the Sumatra Eclipse of January 14, 1926 . . . . .	PAGE 65
BABCOCK, HAROLD D. Secondary Standards of Wave-Length; Inter- ferometer Measurements of Iron and Neon Lines . . . . .	256
BARTKY, WALTER. Review of: <i>Statistical Mechanics with Applications to Physics and Chemistry</i> . Richard C. Tolman . . . . .	143
BOBROVNIKOFF, N. T. On the Spectra of Comets . . . . .	439
BOBROVNIKOFF, N. T. On the Spectrum of Halley's Comet . . . . .	145
COBLENTZ, W. W., H. T. STETSON, WELD ARNOLD, and W. A. SPURR. Investigations of the Corona at the Sumatra Eclipse of January 14, 1926 . . . . .	65
DEMPSTER, A. J. Review of: <i>Anregung von Quantensprüngen durch Stöße</i> . F. Franck and P. Jordan. . . . .	64
DUNCAN, JOHN CHARLES, and EDWIN HUBBLE. The Nebulous Envelope around Nova Aquilae No. 3 . . . . .	59
ELVEY, C. T., and O. STRUVE. Orbit of the Spectroscopic Binary 6 $\pi$ Scorpii . . . . .	217
HAUSSMANN, A. C. Zeeman Effect and Spectral Terms in the Arc Spectrum of Platinum . . . . .	333
HOAG, J. BARTON. Wave-Lengths of Carbon, Oxygen, and Nitrogen in the Extreme Ultra-Violet with a Concave Grating at Grazing Incidence . . . . .	225
HUBBLE, EDWIN, and JOHN CHARLES DUNCAN. The Nebulous Envelope around Nova Aquilae No. 3 . . . . .	59
LANG, R. J., and HENRY NORRIS RUSSELL. On the Spectra of Doubly and Trebly Ionized Titanium ( <i>Ti</i> III and <i>Ti</i> IV). . . . .	13
MACMILLAN, W. D. Review of: <i>Constitution et évolution de l'univers</i> . A. Veronnet . . . . .	139
MORGAN, W. W., and O. STRUVE. Orbit of the Spectroscopic Binary 95 o Leonis . . . . .	135
PADDOCK, G. F. The Chromospheric Spectrum as Observed with an Objective Prism at the Eclipse of January 24, 1925 . . . . .	1
PETTIT, EDISON. Transmission Properties of Some Filters . . . . .	43
POGO, ALEXANDER. Review of: <i>El Firmamento</i> . Luis Rodés . . . . .	222
RUSSELL, HENRY NORRIS, and R. J. LANG. On the Spectra of Doubly and Trebly Ionized Titanium ( <i>Ti</i> III and <i>Ti</i> IV). . . . .	13

# INDEX TO AUTHORS

469

RUSSELL, HENRY NORRIS. On the Relations between Period, Luminosity and Spectrum among Cepheids . . . . .	PAGE 122
RUSSELL, HENRY NORRIS. Related Lines in the Spectra of the Elements of the Iron Group . . . . .	184
RUSSELL, HENRY NORRIS. Series and Ionization Potentials of the Elements of the Iron Group . . . . .	233
RUSSELL, HENRY NORRIS. The Arc and Spark Spectra of Titanium. Part I. The Spark Spectrum, <i>Ti</i> II . . . . .	283
Part II. The Arc Spectrum, <i>Ti</i> I . . . . .	347
SANFORD, ROSCOE F. On the Radial Velocity and Spectrum of the Cepheid Variable T Monocerotis . . . . .	170
SPURR, W. A., H. T. STETSON, W. W. COBLENTZ, and WELD ARNOLD. Investigations of the Corona at the Sumatra Eclipse of January 14, 1926 . . . . .	65
STETSON, H. T., W. W. COBLENTZ, WELD ARNOLD, and W. A. SPURR. Investigations of the Corona at the Sumatra Eclipse of January 14, 1926 . . . . .	65
STRUVE, O., and C. T. ELVEY. Orbit of the Spectroscopic Binary 6 $\pi$ Scorpii . . . . .	217
STRUVE, O., and W. W. MORGAN. Orbit of the Spectroscopic Binary 95 $\sigma$ Leonis . . . . .	135
STRUVE, OTTO. On the Period of 27 Canis Majoris . . . . .	113
VAN MAANEN, ADRIAAN. Investigations on Proper Motion. Twelfth Paper: The Proper Motions and Internal Motions of Messier 2, 13, and 56 . . . . .	89
YAMAMOTO, ISSEI. Photograph of a Remarkable Meteor . . . . .	329